

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2007/000488

A. CLASSIFICATION OF SUBJECT MATTER

INV. C12N15/85

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | WO 2005/012534 A (OXITEC LTD [GB]; ALPHEY LUKE [GB]) 10 February 2005 (2005-02-10) claims 1-42; figure 17; example 12; sequence 22 page 13, last paragraph - page 14, paragraph 3 | 1-44 |
| Y | FUNAGUMA SHUNSUKE ET AL: "The Bmdsx transgene including trimmed introns is sex-specifically spliced in tissues of the silkworm, Bombyx mori." JOURNAL OF INSECT SCIENCE (ONLINE) 2005, vol. 5, no. 17, 2005, pages 1-6, XP002428605 ISSN: 1536-2442 cited in the application the whole document | 1-44 |

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

11 May 2007

Date of mailing of the international search report

06/06/2007

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | <p>SCALI CHRISTINA ET AL: "Identification of sex-specific transcripts of the Anopheles gambiae doublesex gene" JOURNAL OF EXPERIMENTAL BIOLOGY, vol. 208, no. 19, October 2005 (2005-10), pages 3701-3709, XP002428606 ISSN: 0022-0949 cited in the application the whole document</p> | 1-44 |
| Y | <p>MUNOZ D ET AL: "The AeAct-4 gene is expressed in the developing flight muscles of female Aedes aegypti" INSECT MOLECULAR BIOLOGY, vol. 13, no. 5, October 2004 (2004-10), pages 563-568, XP002428607 ISSN: 0962-1075 cited in the application the whole document</p> | 1-44 |
| Y | <p>GONG PENG ET AL: "A dominant lethal genetic system for autocidal control of the Mediterranean fruitfly" NATURE BIOTECHNOLOGY, vol. 23, no. 4, April 2005 (2005-04), pages 453-456, XP002428608 ISSN: 1087-0156 the whole document</p> | 1-44 |
| T | <p>FU GUOLIANG ET AL: "Female-specific insect lethality engineered using alternative splicing." NATURE BIOTECHNOLOGY MAR 2007, vol. 25, no. 3, March 2007 (2007-03), pages 353-357, XP002428609 ISSN: 1087-0156 the whole document</p> | 1-44 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2007/000488

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| WO 2005012534 A | 10-02-2005 | AU 2004261782 A1 | 10-02-2005 |
| | | BR PI0413024 A | 03-10-2006 |
| | | CN 1860235 A | 08-11-2006 |
| | | EP 1649027 A1 | 26-04-2006 |
| | | GB 2404382 A | 02-02-2005 |
| | | US 2007056051 A1 | 08-03-2007 |
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